

ABSTRACT OF THE DISCLOSURE

A radio network comprises a first device ~~(2)~~ with a transmitter ~~(3)~~, whereby a second device ~~(4)~~ is to be protected from electromagnetic radiation of the transmitter ~~(3)~~ and at least one of the devices ~~(2, 4)~~ is mobile. One of the devices ~~(2, 4)~~ has a wireless interrogation system ~~(6)~~ that interacts with a reflecting device ~~(5)~~ of the other device ~~(4, 2)~~, and one of the devices ~~(2, 4)~~ can be switched according to the distance from the other device, this distance being detected by means of the interrogation system ~~(6)~~ and the reflecting device ~~(5)~~, between a normal operating mode ~~(N2, N4)~~ and a special operating mode ~~(S2, S4)~~ provided for comparatively short distances. The operating mode of the device comprising the transmitter ~~(3)~~ is variable. Optionally, the transmitter ~~(3)~~ can have a transmit power that is dependent on the operating mode.